



# Bona Quantum LVT

## Silane based LVT adhesive



**Bona Quantum LVT** is a silane-based, very low-emission LVT flooring adhesive of the latest generation for the installation of a wide range of LVT- or multilayered modular floorings according to EN 16511\*\*\*. The adhesive differs from conventional wet bed adhesives in its very high initial tack. The floor coverings become fixed immediately but can still be adjusted. After setting, thermal joint formation is counteracted by the high shear strength. It is not necessary to vent the adhesive. Bona Quantum LVT can be used in areas with increased moisture exposure and is even resistant to increased residual moisture content in the substrate.

- One-component silane-based
- Very high initial bonding strength without flash off time
- 100% solid content
- Long open time of up to 45 minutes
- Not sensitive to excessive residual moisture content in the substrate; no risk of saponification
- Very low consumption
- Very low emission EC1 Plus
- Free of marking
- Suitable for underfloor heating
- Suitable for of castor chairs according to DIN EN 12 529

### Technical Data

**Base:** silane modified prepolymer

**Color:** beige

**Viscosity:** spreadable

**Density:** approx. 1.7 g / cm<sup>3</sup>

**Processing temperature:** Air temperature: at least 18 ° C - 25 ° C, Floor temperature: 15 ° C - 20 ° C,

**Relative humidity:** max. 65%

**Tools for processing:** Notched trowel e.g. TKB A2, A4, A5

**Consumption:** depending on the notch size of the trowel approx. 180-250 g/m<sup>2</sup>

**Flash-off time:** not necessarily required, but 5-10 min. will increase the tack significantly

**Open time:** approx. 45 min

**Resilient:** after approx. 24 hours

**Cleaning:** Fresh glue on tools and floor covering surfaces can be removed with Bona Cleaning Wipes or solvents (e.g. ethanol, acetone). Fully hardened adhesive can only be removed mechanically.

**GISCODE:** RS10

**EMICODE:** EC1 Plus

**Disposal:** Wastes and emptied canisters should be handled in accordance to local regulations

01.04.2022 With the publication of this data sheet all previous product information on this product lose their validity



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**Storage:** Do not store permanently below + 5 ° C, protect from frost, store cool in summer (not above + 25 ° C)

**Shelf life:** 12 months from the date of manufacture in an unopened bucket

Pack size: 8 Kg plastic pail

### Subfloor Preparation

The substrate must be sound, level, dry, free from cracks, dust, and other residues. The surface should also be slightly textured. If applicable, the subfloor must meet the requirements of local standards or codes of practice. If necessary, it should be professionally prepared for laying. Cracks and holes must be filled with a suitable repair mortar such as Bona H610. The installation of PVC design floors with Bona Quantum LVT requires a smooth and even surface. The application of a suitable Bona levelling compound such as Bona H605 or Bona H600 is obligatory. Please be aware of an enough dryness of the subfloor and the levelling compound before subsequent installation begins. Please refer also to the technical data sheets of the additional Bona products you are using.

### Suitable Substrates

All absorbent and non-absorbent subfloors prepared with a suitable Bona levelling compound.

### Processing

Apply the adhesive with a suitable notched trowel, e.g. TKB A4 evenly to the subfloor. Excess adhesive (nests) and / or inclusions of particles must be avoided to prevent later marks on the surface of the flooring covering. Apply only as much adhesive as can be covered with the floor covering within the laying time of approx. 45 min \*. Caution: The tools used must be clean. Small amounts of contamination from other adhesives can greatly change the properties and performance of the adhesive! Please make sure to replace worn trowels frequently to ensure a sufficient adhesive consumption. The edges of the floor covering, or head ends that are not flat must be rolled before laying to compensate for any existing tension. Deformations or raised edges

must be weighed down during the gluing process. Please also note the processing instructions of the floor covering manufacturer!

\* at 20 ° C and max. 65% rel. humidity

### Consumption

Depending on the toothing of the spatula approx. 180-250 g/m<sup>2</sup>

### Important notes

- EN 16511 floor panel: semi-rigid decorative floor covering (...) – typically in a plank or tile format – having a multiple layer product structure consisting of a wear-resistant top layer, a decorative surface layer, a substrate and usually a backer, the planks/tiles having worked edges that allow the product to be joined together to form a larger integral unit.  
\*\*\*Please get in contact with Bona technical service before installation
- The adhesive must be brought to room temperature before use. The following room climatic conditions must be present during processing and the setting process: Air temperature: 18 - 25 ° C, floor temperature: 15 ° C - 20 ° C, relative humidity: max. 65%
- High humidity and high temperatures shorten, low humidity and low temperatures lengthen the laying, setting and drying times
- Direct bonding on old adhesive residues can lead to interactions and unpleasant odors. Therefore, old adhesive residues must be completely removed. Adhesive residues must always be pretreated with a suitable primer and leveled over the entire surface with a Bona levelling compound (at least 3 mm).
- The floor coverings must also be adequately acclimatized before bonding and adapted to the room climate that will be used later. Please also note the processing instructions of the floor covering manufacturer!
- When laying the floor covering, the generally recognized rules of the trade and technology as well as the current standards and leaflets must be considered.
- Bona takes only responsibility for the delivered product, no responsibility can be taken for the total installed product. If in doubt, conduct a test or a trial. Observe also other Bona product datasheets.